



Log No. 179

**TAG Revision 8/13/21**

STATE OF WASHINGTON

## STATE BUILDING CODE COUNCIL

### Washington State Energy Code Development Standard Energy Code Proposal Form

Code being amended: ☒ Commercial Provisions ☐ Residential Provisions

Code Section # C405.7.1 (new section)

Brief Description:

Require electric receptacles at dwelling unit gas appliances, to enable future “plug and play” installation of electric appliances.

Proposed code change text:

**C405.7.1 Electric receptacles at dwelling unit gas appliances.** *Where dwelling unit appliances are served by natural gas, an electrical receptacle **or junction box** and circuit shall be provided at each gas appliance with sufficient capacity to serve a future electric appliance in the same location. The receptacles and circuits shall be included in the electrical service load calculation and shall meet the requirements of items 1 – 3 below. The receptacle **or junction box** for each gas appliance shall be located within 12 inches of the appliance and without obstructions between the appliance and the outlet. An electric receptacle is not required for a decorative gas fireplace.*

1. Each gas range, cooktop, or oven, or combination appliance, location shall be served by a dedicated 240/208-volt, 40-amp receptacle connected to the *dwelling unit* electric panel with a 3-conductor branch circuit complying with 210.19(A)(3) of the **Seattle-NEC as adopted by WA state electrical code** and a minimum included load of 9600 VA for 240-volt systems or 8000 VA for 208-volt systems.
2. Each gas clothes dryer location shall be served by a dedicated 240/208-volt, 30-amp receptacle connected to the *dwelling unit* electric panel with a 3-conductor branch circuit and a minimum included load of 5000 VA.
3. Each gas domestic water heater location shall be served by a dedicated 240/208 volt, 30-amp **outlet junction box** connected to the *dwelling unit* electrical panel with a 3-conductor branch circuit and a minimum included load of 4500 VA.

Purpose of code change:

Your amendment must meet one of the following criteria. Select at least one:

- |   |  |
|---|--|
| <input type="checkbox"/> Addresses a critical life/safety need.                         | <input checked="" type="checkbox"/> Addresses a specific state policy or statute.<br>(Note that energy conservation is a state policy) |
| <input type="checkbox"/> The amendment clarifies the intent or application of the code. | <input type="checkbox"/> Consistency with state or federal regulations.  |

☐ Addresses a unique character of the state.

☐ Corrects errors and omissions.

Check the building types that would be impacted by your code change:

☐ Single family/duplex/townhome

☒ Multi-family 4 + stories

☐ Institutional

☐ Multi-family 1 – 3 stories

☐ Commercial / Retail

☐ Industrial

Your name Duane Jonlin

Email address duane.jonlin@seattle.gov

Your organization City of Seattle

Phone number 206-233-2781

Other contact name -

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## **Economic Impact Data Sheet**

Briefly summarize your proposal's primary economic impacts and benefits to building owners, tenants and businesses.

Additional cost for receptacle and circuit, eliminates cost for future conversion.

Provide your best estimate of the construction cost (or cost savings) of your code change proposal? (See OFM Life Cycle Cost [Analysis tool](#) and [Instructions](#); use these [Inputs](#). **Webinars on the tool can be found [Here](#) and [Here](#)**)

**\$0.33**/square foot

Show calculations here, and list sources for costs/savings, or attach backup data pages

\$250 per receptacle. If stove is only gas appliance in a 750 sf apartment, then  $\$250/750 \text{ sf} = \$0.33/\text{sf}$

Provide your best estimate of the annual energy savings (or additional energy use) for your code change proposal?

**0 KWH**/ square foot

No associated energy savings.

Show calculations here, and list sources for energy savings estimates, or attach backup data pages

List any code enforcement time for additional plan review or inspections that your proposal will require, in hours per permit application: (none)